0.6m INSHORE MONITORING BUOY

OSIL's Inshore Monitoring Buoy provides a quick and easy way to ensure constant and immediate data collection

The Inshore Monitoring Buoy is a quick and easy way to ensure constant and immediate data collection when other systems are out of action, or where an environmental situation requires monitoring.

Manufactured using a rotationally moulded polyethylene hull, the buoy system is built with a central structure designed to safely accommodate turbidity sensors, a multiparameter sonde or similar instrument, while providing protection from collision damage.

The Inshore Monitoring Buoy carries solar panels with battery back up, and a GPRS enabled data logger. Weighing 45 kg and having a total length of 1.8m, this buoy is easy to handle and deploy.

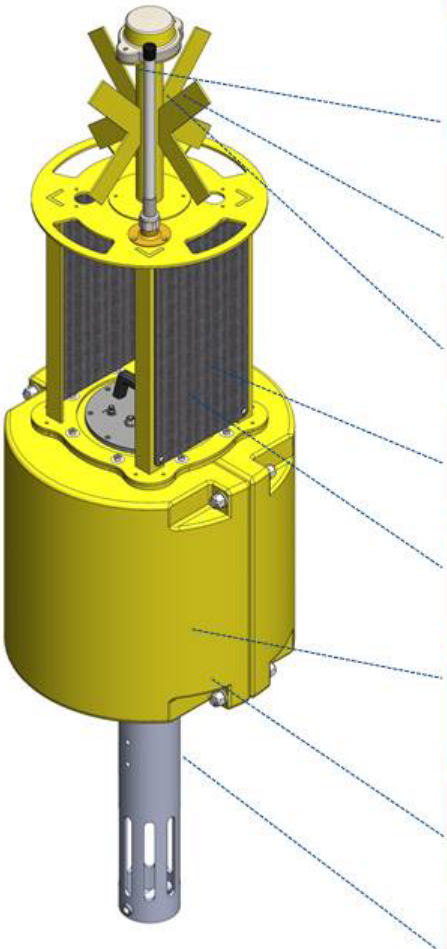
The single point mooring not only makes for easy deployment and recovery, but also reduces the drag in high flow areas.

Applications

- Dredge Monitoring
- Hydrocarbon Monitoring
- Coastal Monitoring
- Lake Monitoring
- River Monitoring
- Estuary Monitoring

All buoys are fitted with four 14W solar panels, battery back up, navigation/warning lights (IALA Standard Lamp) and St Andrews cross.

A range of telemetry options are available (UHF/VHF, GSM, GPRS, Satellite), selected to suit both the location and application requirements. OSIL provide a complete data telemetry solution, including either desk top or web-based software packages to access the data.



Hull Specifications
0.6m diameter, 1.0m focal plane, 45kg weight, ~60kg reserve buoyancy (after payload)

Aids To Navigation
Radar reflector, IALA standard lanterns, On-station GPS trackers with watch circle alarms

Telemetry Options
GPRS/GSM, AIS, VHF/UHF radio, Iridium

Meteorological Measurements
Wind speed/direction, atmospheric pressure, air temperature & humidity, solar radiation, precipitation

Real-Time Data Delivery
OSIL data solutions, hosted services (Campbell Konect), direct to server & email

Oil Spill Detector
Submersible hydrocarbon sensor

Water Quality Sensors
Dissolved Oxygen, pH, Temperature, Conductivity, Salinity, Turbidity, Chlorophyll & Blue-Green Algae

Wave Measurements
Wave direction, height & period, external or internal compass

Current Speed & Direction
High resolution current speed, direction & turbulence data

Other sensors are available on request

FOR FURTHER INFORMATION PLEASE CONTACT:

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